



ARROW  
GEAR  
COMPANY

171037

2301 Curtiss Street Downers Grove, Illinois 60515-4036 630-969-7640 Fax: 630-969-0253

March 17, 1997

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Permit Section  
P. O. Box 19276  
Springfield, IL  
62794-9276

RE: Removal of Draw Furnace from Emissions Permit, Arrow Gear  
Company, 2301 Curtiss Street, Downers Grove, IL 60515  
ID. No. 043030ABG, Permit: 73060221

Dear Sir or Madam,

This gas fired furnace has been replaced with an electric furnace  
in 1995, December (Point 0007).

Also, (2) Vapor Degreasers have been removed (Point 0011), 12/95.  
Replaced with water wash units.

The (Point 0001) Baghouse situated in yard has been replaced with  
a Torit Baghouse that vents inside, 09/96.

This will bring our Permit up to date.

Sincerely  
ARROW GEAR COMPANY

Harry Hartzell  
Metallurgist/  
Environmental Coordinator

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DAPC - ANNUAL EMISSIONS REPORT - 1996

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043030ABG - ARROW GEAR COMPANY

- FUEL COMBUSTION DATA -

POINT 0007 - ~~DRAW FURNACE~~

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: / 10/1995

SCC: 30990003  
SIC:

MODE 01 -

DESCRIPTION CORRECTION:

*DRAW FURNACE - NOT USED Replaced w/ electric oven*

IDENTICAL POINTS: 1 PERCENT THROUGHPUTS: DEC-FEB: 25.00% MAR-MAY: 25.00%  
BEGAN OPERATION: 06/1973 JUN-AUG: 25.00% SEP-NOV: 25.00%  
CEASED OPERATION: / 10/1995

FUEL TYPE: 1 NATURAL GAS  
INPUT (MMBTU/HR): 1 0

HEAT CONTENT: 1000  
SULFUR CONTENT (%): 0.00  
ASH CONTENT (%): 0.00  
NITROGEN CONTENT (%): 0.00

UNITS: MILLION CUBIC FEET BURNED

UNITS: MILLION CUBIC FEET BURNED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	8.0	<u>0</u>	HOURS/DAY:	8.0	<u>0</u>
DAYS/WEEK:	5.0	<u>0</u>	DAYS/WEEK:	5.0	<u>0</u>
WEEKS/YEAR:	50	<u>0</u>	WEEKS/SEASON:	50	<u>0</u>
HOURS/YEAR:	2,000	<u>0</u>	HOURS/SEASON:	2,000	<u>0</u>
RATE/HR:	0.0010	<u>0</u>	START TIME:		<u>0</u>
RATE/DAY:	0.0080	<u>0</u>	END TIME:		<u>0</u>
RATE/YR:	2.0000	<u>0</u>	RATE/HR:	0.0010	<u>0</u>
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/14/97

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043030ABG - ARROW GEAR COMPANY

- FUEL COMBUSTION DATA -

POINT 0007 - DRAW FURNACE

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

10/1995

SCC: 30990003  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
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POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CAPTURING STACKS:

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043030ABG - ARROW GEAR COMPANY

## - PROCESS DATA -

POINT 0011 - DEGREASER

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /12/1995SCC: 40100299  
SIC:

MODE 01 -

## DESCRIPTION CORRECTION:

REMOVED 12/1995

IDENTICAL POINTS: 2  
BEGAN OPERATION: 06/1973  
CEASED OPERATION: /PERCENT THROUGHPUTS: DEC-FEB: 25.00%  
JUN-AUG: 25.00%  
MAR-MAY: 25.00%  
SEP-NOV: 25.00%

UNITS: TONS MAKE-UP SOLVENT USED

UNITS: TONS MAKE-UP SOLVENT USED

TYPICAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	10:0	0	HOURS/DAY:	10:0	0
DAYS/WEEK:	2:0	0	DAYS/WEEK:	2:0	0
WEEKS/YEAR:	50	0	WEEKS/SEASON:	50	0
HOURS/YEAR:	1,000	0	HOURS/SEASON:	1,000	0
RATE/HR:	0.0250	0	START TIME:		
RATE/DAY:	0.2500	0	END TIME:		
RATE/YR:	25.0000	0	RATE/HR:	0.0250	0
PWR (LB/HR):	50.00	0	PWR (LB/HR):	50.00	0
CONFIDENTIAL: N			CONFIDENTIAL: N		

01/24/97

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043030ABG - ARROW GEAR COMPANY

- PROCESS DATA -

POINT 0011 - DEGREASER

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

12/1995

SCC: 40100299  
SIC:

MODE 01 -

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	EMISSION RATE (LB/HR) IEPA REPORTED
VOM	2		.3

*REMOVED*  
*N/A*

POLLUTANT CODE	METHOD IEPA REP	EMISSION FACTOR IEPA REPORTED	OZONE SEASON EMISSION RATE (LB/HR) IEPA REPORTED
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CAPTURING CONTROLS:

CAPTURING STACKS:

01/14/97

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
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043030ABG - ARROW GEAR COMPANY

- CONTROL DEVICE DATA -

CONTROL 0001 - <sup>TORIT</sup>  
BAGHOUSE

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

CONTROL CODE: 018

DESCRIPTION CORRECTION:

TORIT BAGHOUSE - VENTS INSIDE

REMOVAL EFFICIENCY:

PART

EFFICIENCY: ~~99.00%~~ 99.99

METHOD: \_\_\_\_\_

CAPTURING CONTROLS:

CAPTURING STACKS:

STACK 0001

CAPTURE EFFICIENCY: 100.00% \_\_\_\_\_

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ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
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043030ABG - ARROW GEAR COMPANY

- CONTROL DEVICE DATA -

CONTROL 0002 - BAGHOUSE

PERMIT: 73060221

BEGAN OPERATION: 06/1973  
CEASED OPERATION: /

CONTROL CODE: 018

DESCRIPTION CORRECTION:

REMOVAL EFFICIENCY:

PART

EFFICIENCY: 99.00%

METHOD:

CAPTURING CONTROLS:

CAPTURING STACKS:

**SENDER:**

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece next to the article number.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address

2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:  
IL Environmental Agency  
Div. Of Air Pollution  
Permit Section, Box 19276  
Springfield, IL 62794-9276

Illinois Environmental Protection Agency  
2200 Churchill Rd. - P.O. Box 19276  
Springfield, Illinois 62794-9276

4a. Article Number  
P 383 270 386

4b. Service Type  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☒ Return Receipt for Merchandise

7. Date of Delivery

5. Signature (Addressee)

MAR 21 1997

6. Signature (Agent)

Terry H. Hume

8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, October 1990

U.S. GPO: 1990-273-081

**DOMESTIC RETURN RECEIPT**